



## *ONE WELFARE*

What has COVID-19 taught us about balancing human and animal interests?

## Speaker Biographies

### Jennifer W. Applebaum, M.S.



Jennifer W. Applebaum is a Sociology PhD student and NIH Predoctoral Fellow at the University of Florida. She earned a Master of Science in Veterinary Medical Sciences with a concentration in Shelter Medicine from the University of Florida College of Veterinary Medicine in 2017. Prior to beginning her master's studies, Jennifer worked in animal sheltering and veterinary community outreach, where she gained an interest in supporting multispecies families through community programs. Jennifer's research interests are centered around the ways that social inequalities impact human and animal health and wellbeing in multispecies families. Her collaborative, transdisciplinary research takes a social approach to the One Health and One Welfare frameworks, with an interest in improving the health and wellbeing of marginalized populations of people and their pets.

**Angela Baysinger, DVM, MS, Animal Welfare Lead, North American Operations, Merck Animal Health.**



Dr. Baysinger has responsibility for developing and verifying science-based standards of welfare within Merck Animal Health. Dr. Baysinger also interacts closely with food animal industry groups and producers to provide and explain the science of the care and well-being of livestock, poultry, and aquaculture. Additionally, she liaisons with the Food Service and Retail organizations to advise them on animal care science, husbandry, and welfare.

Dr. Baysinger received her DVM from the University of Missouri and a Masters in Epidemiology from the University of Nebraska. She is currently pursuing Board certification in Animal Welfare through the American College of Animal Welfare (ACAW), an American Veterinary Medical Association (AVMA) recognized veterinary specialty organization. As part of becoming Board-certified, she is currently enrolled in the University of Edinburgh's International Animal Welfare, Ethics, and Law Master's program.

Dr. Baysinger currently resides in Nebraska, where she and her husband, Jerry, are raising their two sons on a grain production farm. In her spare time, she is a University of Nebraska marching band parent, an FFA mom, runs because she likes to eat, covert Harley Davidson motorcycle rider, an avid shooting sports enthusiast, and has a black standard poodle named Wendy Pequeno Diable Baysinger.

**Laura Boyle, PhD., Senior Research Officer**



Dr. Laura Boyle is a senior research officer with Teagasc – The Irish National Agriculture and Food Development Authority, with 25 years of research expertise in farm animal behavior and welfare science. Laura is an associate member of the European College of Animal Welfare and Behavioural Medicine (sub-specialty Animal Welfare Science, Ethics and Law) and Chairs the Animal Behaviour Working Group of the European Federation of Animal Science (EAAP). She is a hearing expert for the Animal Health and Welfare Farm to Fork Working Group with the European Food Safety Authority. Dr. Boyle has published over 110 peer-reviewed papers on pig and dairy cow welfare and has almost 300 scientific abstracts in national and international conference proceedings. Her main interests lie in effects of housing and management practices on the welfare of dairy cows and pigs, in the link between animal health and animal welfare and in the contribution animal welfare can make to the

sustainability of animal agriculture. Laura was the recipient of the British Society of Animal Science (BSAS) and Royal Society for the Prevention of Cruelty to Animals (RSPCA) award for Innovative Developments in Animal Welfare in 2019. Laura also has education and advisory roles within the Teagasc pig development department at Moorepark, Co. Cork where she works. She holds a Bachelors of Agricultural Science degree and a Masters and PhD on the behaviour and welfare of sows from University College Dublin.

### **Candace Croney, PhD, Purdue University**



Dr. Candace Croney is director of Purdue University's Center for Animal Welfare Science and professor of animal behavior and well-being in the departments of Comparative Pathobiology and Animal Sciences.

Dr. Croney earned her PhD in animal sciences from The Pennsylvania State University, USA. Before joining Purdue University, she conducted postdoctoral studies at the University of Maryland, College Park, was Assistant Director of Conservation Education at the American Zoo and Aquarium Association, and held faculty appointments in Animal Sciences at Oregon State University and Preventive Medicine at The Ohio State University.

Her research focuses on: 1) developing and applying non-invasive metrics of welfare in companion and farmed animals; 2) understanding effects of rearing environments and enrichment on animal behavior, health, and welfare; 3) public perceptions and ethical implications of animal agriculture and welfare.

Dr. Croney holds courtesy appointments at The University of Arkansas, University of Guelph and Pennsylvania State University. She serves as scientific advisor on animal welfare to numerous groups, including Bob Evans Farms, Tyson Foods, fairlife, Good Dog, Kent Pet Group, Morris Animal Foundation, and Wayne Farms.

She created the <sup>TM</sup>Canine Care Certified voluntary program, which sets rigorous standards for the care and welfare of dogs in breeding kennels.

**Karen Christensen, MS, PhD, Senior Director Animal Welfare, Tyson Foods**



Karen Christensen serves as the Sr. Director of Animal Welfare for Tyson Foods. Prior to Tyson Foods, Karen served on the Center for Excellence in Poultry Science at the University of Arkansas focusing on welfare and broiler production practices. Previous to the University, Karen has worked in many capacities in the broiler industry focusing on the live production side. Karen earned a BS and MS from Washington State University and a PhD in poultry physiology from Mississippi State University.

**Heather N Fowler, VMD MPH PhD DACVPM, Director of Producer and Public Health, National Pork Board**



Dr. Heather Fowler completed her Veterinary Medical degree at the University Of Pennsylvania School Of Veterinary Medicine in 2010, a Master in Public Health in Applied Biostatistics and Epidemiology at the Yale School of Public Health in 2011, and a PhD in Environmental and Occupational Hygiene from the University of Washington School of Public Health in 2017. She is board certified in veterinary preventive medicine and has expertise in the areas of zoonotic disease, public health, worker safety and health, and One Health application. In the summer of 2017, Dr. Fowler began work as the Director of Producer and Public Health at the National Pork Board where she oversees public health as well as occupational safety and health issues as they relate to swine production in the United States.

## **Roger Haston, PhD, President, the Institute for Animals**



Roger Haston is a recognized world leader in animal welfare through his research and public speaking. Dr. Haston has served on the boards of Humane Society of Boulder Valley, Colorado Pet Overpopulation Fund, PetAid Colorado, Catalyst Council, Emancipet, Animal Grant Makers, National Council on Pet Population, Alliance for Arizona Non-profits and Shelter Animals Count. Dr. Haston received a Ph.D. in geophysics from the University of California Santa Barbara and an MBA in finance from Rice University. His career began in the oil and gas industry working for Amoco and Arco in Houston, Texas. Dr. Haston moved to Colorado in 1998 where he started and grew Axis Geophysics – a successful business in geophysical data processing serving the oil and gas industry. In 2012, he committed himself full-time to animal welfare, taking on the position of Executive Director at the Animal Assistance Foundation. There, he merged his passion for science, business and leadership to help the animals of Colorado and beyond. In 2016, Dr. Haston joined PetSmart Charities, North America’s leading funder of animal welfare, as the organization’s Chief Analytics Officer where he focused upon data collection, interpretation and analysis to predict trends, evaluate best practices, explore the impact of the human-animal bond and examine the future of animal welfare. In 2019, Dr. Haston recognized a need for a deeper level of science and analysis in the industry and started “The Institute for Animals” which focuses on strategy, research, advocacy insight and thought leadership. With nearly 20 years’ experience in animal welfare, Dr. Haston has become an internationally recognized leader in data, trends, metrics and analysis conveyed through impactful and approachable storytelling. His recent work has focused on “The Economics of Competition in Veterinary Services”, “The business landscape of animal sheltering in Colorado” and “Predictive modeling of dog population and ownership trends in the US – today to 2050”.

**Jayson Lusk, PhD, Purdue University**



I currently serve as Distinguished Professor and Head of the Agricultural Economics Department at Purdue University. After earning a B.S. in Food Technology from Texas Tech University in 1997, I received a Ph.D. in Agricultural Economics from Kansas State University in 2000. My first job out of graduate school was as an assistant professor at Mississippi State University, where I stayed for three years before moving to Purdue University as an Associate Professor. In 2005, I moved to Oklahoma State University where I served as Regents Professor and held the Willard Sparks Endowed Chair. In 2011, my family and I lived in Paris while I served as a visiting researcher at the French National Institute for Agricultural Research and worked on a research fellowship awarded by the Organization of Economic Cooperation and Development.

I am a food and agricultural economist who studies what we eat and why we eat it. Since 2000, I've published more than 250 articles in peer-reviewed scientific journals on a wide assortment of topics ranging from the economics of animal welfare to consumer preferences for genetically modified food to the impacts of new technologies and policies on livestock and meat markets to analyzing the merits of new survey and experimental approaches eliciting consumer preferences

I currently live in West Lafayette, Indiana with my wife and two sons.

**Lee Niel, PhD, NSERC**



Lee Niel is an Associate Professor in the Department of Population Medicine at the Ontario Veterinary College, and holds the Col K. L. Campbell Chair in Companion Animal Welfare. Dr. Niel plays a key role in teaching veterinary students about animal behaviour and welfare, and her research group is focused on developing novel methods for assessing and improving companion animal welfare. Specifically, she is interested in understanding and preventing fear and aggression in cats and dogs, with research assessing fundamental and applied topics such as optimizing early socialization and management for puppies and kittens, improving identification of animal fear and aggression by industry professionals and owners, and improving

cat and dog welfare during routine handling and restraint.

**Cynthia M. Otto, DVM, PhD, DACVECC, DACVSMR**



Dr. Otto is a tenured Professor of Working Dog Sciences and Sports Medicine at the University of Pennsylvania, School of Veterinary Medicine. She served as an attending board certified emergency clinician between 1991 and 2014. Following deployment with PATF1 to 9/11, she initiated an AKC-CHF funded longitudinal study of search dogs that worked at 9/11. She is the executive director and founder of the Penn Vet Working Dog Center ([www.vet.upenn.edu/WDC](http://www.vet.upenn.edu/WDC)) where she oversees the fitness and medical care of the detection dogs in the program, provides rehabilitation and conditioning for police and other working dogs and conducts vital research on and by detection dogs, including medical detection of cancer and COVID-19. She has published over

70 peer reviewed articles, numerous book chapters and is an internationally recognized speaker in both emergency medicine and working dog science. She was named Pennsylvania's 2002 "Veterinarian of the Year", received an Alumni Recognition Award in 2006 and the 2008 OSU Distinguished Alumnus Award from the Ohio State University. She received the Philadelphia Kennel Club's Dog's Best Friend Award in 2016, AVMA's Bustad Companion Animal Veterinarian of the Year in 2018 and the 2019 International Canine Sports Medicine Symposium Mark Bloomberg Award.